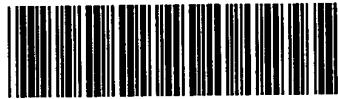


A5



OIPE

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/015, 328

DATE: 06/04/2002
TIME: 12:45:05

Input Set : A:\EP.txt
Output Set: N:\CRF3\06042002\J015328.raw

ENTERED

3 <110> APPLICANT: Bristol-Myers Squibb Company
4 Han, Amy Qi
5 Glunz, Peter W.
7 <120> TITLE OF INVENTION: Imidazolidinones and Their Related Derivatives as Hepatitis C Virus NS3
8 Protease Inhibitors
10 <130> FILE REFERENCE: PH-7203
12 <140> CURRENT APPLICATION NUMBER: US 10/015, 328
13 <141> CURRENT FILING DATE: 2001-12-12
15 <150> PRIOR APPLICATION NUMBER: US 60/255, 168
16 <151> PRIOR FILING DATE: 2000-12-13
18 <160> NUMBER OF SEQ ID NOS: 11
20 <170> SOFTWARE: PatentIn version 3.1
22 <210> SEQ ID NO: 1
23 <211> LENGTH: 5
24 <212> TYPE: PRT
25 <213> ORGANISM: Artificial Sequence
27 <220> FEATURE:
28 <223> OTHER INFORMATION: The synthesis of this peptide may be performed on an ABI 43A
pept
29 ide synthesizer using readily available materials well known to o
30 rdinarily skilled artisans
32 <400> SEQUENCE: 1
34 Met Gly Ala Gln His
35 1 5
38 <210> SEQ ID NO: 2
39 <211> LENGTH: 15
40 <212> TYPE: PRT
41 <213> ORGANISM: Artificial Sequence
43 <220> FEATURE:
44 <223> OTHER INFORMATION: The synthesis of this peptide may be performed on an ABI 43A
pept
45 ide synthesizer using readily available materials well known to o
46 rdinarily skilled artisans
48 <400> SEQUENCE: 2
50 Met Arg Gly Ser His His His His His His Met Gly Ala Gln His
51 1 5 10 15
54 <210> SEQ ID NO: 3
55 <211> LENGTH: 9
56 <212> TYPE: PRT
57 <213> ORGANISM: Artificial Sequence
59 <220> FEATURE:
60 <223> OTHER INFORMATION: Peptide ester substrate synthesized by methods disclosed in
Talia

61 ni et al., Anal. Biochem., 240, 60-67, 1996.

63 <220> FEATURE:

64 <221> NAME/KEY: ACETYLATION

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/015,328

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TIME: 12:45:05

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65 <222> LOCATION: (1)..(1)
66 <223> OTHER INFORMATION: acetyl group
69 <220> FEATURE:
70 <221> NAME/KEY: MOD_RES
71 <222> LOCATION: (3)..(3)
72 <223> OTHER INFORMATION: Aspartic acid modified with EDANS, 5-[(2'-aminoethyl)amino]naphth
73 ylene sulfonic acid
76 <220> FEATURE:
77 <221> NAME/KEY: MISC_FEATURE
78 <222> LOCATION: (6)..(6)
79 <223> OTHER INFORMATION: 2-amino butyric acid bonded through an ester group
82 <220> FEATURE:
83 <221> NAME/KEY: MOD_RES
84 <222> LOCATION: (9)..(9)
85 <223> OTHER INFORMATION: Lysine modified by Dabcyl; 4-[[4'(dimethylamino)phenyl]azo]benzoi
86 c acid
89 <400> SEQUENCE: 3
W-> 91 Asp Glu Asp Glu Glu Xaa Ala Ser Lys
92 1 5
95 <210> SEQ ID NO: 4
96 <211> LENGTH: 4
97 <212> TYPE: PRT
98 <213> ORGANISM: Artificial Sequence
100 <220> FEATURE:
101 <223> OTHER INFORMATION: The synthesis of this peptide may be performed on an ABI 43A
pept
102 ide synthesizer using readily available materials well known to o
103 rdinarily skilled artisans
105 <220> FEATURE:
106 <221> NAME/KEY: ACETYLATION
107 <222> LOCATION: (1)..(1)
108 <223> OTHER INFORMATION: Acetylation
111 <220> FEATURE:
112 <221> NAME/KEY: AMIDATION
113 <222> LOCATION: (4)..(4)
114 <223> OTHER INFORMATION: para-nitroaniline
117 <400> SEQUENCE: 4
119 Glu Glu Ala Cys
120 1
123 <210> SEQ ID NO: 5
124 <211> LENGTH: 6
125 <212> TYPE: PRT
126 <213> ORGANISM: Artificial Sequence
128 <220> FEATURE:
129 <223> OTHER INFORMATION: Synthesized by standard organic chemistry laboratory
methods.
131 <220> FEATURE:
132 <221> NAME/KEY: MISC_FEATURE
133 <222> LOCATION: (6)..(6)
134 <223> OTHER INFORMATION: Boro-allylglycine
137 <400> SEQUENCE: 5

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/015,328

DATE: 06/04/2002
TIME: 12:45:05

Input Set : A:\EP.txt
Output Set: N:\CRF3\06042002\J015328.raw

W-> 139 Asp Glu Val Val Pro Xaa
140 1 5
143 <210> SEQ ID NO: 6
144 <211> LENGTH: 23
145 <212> TYPE: PRT
146 <213> ORGANISM: Artificial Sequence
148 <220> FEATURE:
149 <223> OTHER INFORMATION: The synthesis of this peptide may be performed on an ABI 43A
pept
150 ide synthesizer using readily available materials well known to o
151 rdinarily skilled artisans
153 <400> SEQUENCE: 6
155 Lys Lys Gly Ser Val Val Ile Val Gly Arg Ile Val Leu Ser Gly Lys
156 1 5 10 15
159 Pro Ala Ile Ile Pro Lys Lys
160 20
163 <210> SEQ ID NO: 7
164 <211> LENGTH: 6
165 <212> TYPE: PRT
166 <213> ORGANISM: Artificial Sequence
168 <220> FEATURE:
169 <223> OTHER INFORMATION: Synthesized by standard organic chemistry laboratory
methods.
171 <220> FEATURE:
172 <221> NAME/KEY: MISC_FEATURE
173 <222> LOCATION: (6)..(6)
174 <223> OTHER INFORMATION: Boro-allylglycine pinanediol ester
177 <400> SEQUENCE: 7
W-> 179 Asp Glu Val Val Pro Xaa
180 1 5
183 <210> SEQ ID NO: 8
184 <211> LENGTH: 5
185 <212> TYPE: PRT
186 <213> ORGANISM: Artificial Sequence
188 <220> FEATURE:
189 <223> OTHER INFORMATION: Synthesized by standard organic chemistry laboratory
methods.
191 <220> FEATURE:
192 <221> NAME/KEY: MOD_RES
193 <222> LOCATION: (1)..(1)
194 <223> OTHER INFORMATION: N-terminal Protecting Group: t-Butoxycarbonyl
195 Delta-Carboxy Ester: t-Butyl
198 <220> FEATURE:
199 <221> NAME/KEY: MOD_RES
200 <222> LOCATION: (2)..(2)
201 <223> OTHER INFORMATION: Gamma-Carboxy Ester: t-Butyl
204 <400> SEQUENCE: 8
206 Asp Glu Val Val Pro
207 1 5
210 <210> SEQ ID NO: 9
211 <211> LENGTH: 4
212 <212> TYPE: PRT

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/015,328

DATE: 06/04/2002
TIME: 12:45:05

Input Set : A:\EP.txt
Output Set: N:\CRF3\06042002\J015328.raw

213 <213> ORGANISM: Artificial Sequence
215 <220> FEATURE:
216 <223> OTHER INFORMATION: Synthesized by standard organic chemistry laboratory methods.
218 <220> FEATURE:
219 <221> NAME/KEY: MOD_RES
220 <222> LOCATION: (1)..(1)
221 <223> OTHER INFORMATION: N-terminal Protecting Group: benzyloxycarbonyl
222 Gamma-Carboxy Ester: t-Butyl
225 <220> FEATURE:
226 <221> NAME/KEY: MOD_RES
227 <222> LOCATION: (4)..(4)
228 <223> OTHER INFORMATION: Benzyl Esterification
231 <400> SEQUENCE: 9
233 Glu Val Val Pro
234 1
237 <210> SEQ ID NO: 10
238 <211> LENGTH: 4
239 <212> TYPE: PRT
240 <213> ORGANISM: Artificial Sequence
242 <220> FEATURE:
243 <223> OTHER INFORMATION: Synthesized by standard organic chemistry laboratory methods.
245 <220> FEATURE:
246 <221> NAME/KEY: MOD_RES
247 <222> LOCATION: (1)..(1)
248 <223> OTHER INFORMATION: Gamma-Carboxy Ester: t-Butyl
251 <400> SEQUENCE: 10
253 Glu Val Val Pro
254 1
257 <210> SEQ ID NO: 11
258 <211> LENGTH: 6
259 <212> TYPE: PRT
260 <213> ORGANISM: Artificial Sequence
262 <220> FEATURE:
263 <223> OTHER INFORMATION: Synthesized by standard organic chemistry laboratory methods.
265 <220> FEATURE:
266 <221> NAME/KEY: MOD_RES
267 <222> LOCATION: (1)..(1)
268 <223> OTHER INFORMATION: N-terminal Protecting Group: t-Butoxycarbonyl
269 Delta-Carboxy Ester: t-Butyl
272 <220> FEATURE:
273 <221> NAME/KEY: MOD_RES
274 <222> LOCATION: (2)..(2)
275 <223> OTHER INFORMATION: Gamma-Carboxy Ester: t-Butyl
278 <220> FEATURE:
279 <221> NAME/KEY: MISC_FEATURE
280 <222> LOCATION: (6)..(6)
281 <223> OTHER INFORMATION: Boro-allylglycine pinanediol ester
284 <400> SEQUENCE: 11
286 Asp Glu Val Val Pro Xaa

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/015,328

DATE: 06/04/2002
TIME: 12:45:05

Input Set : A:\EP.txt
Output Set: N:\CRF3\06042002\J015328.raw

287 1

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RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/10/015,328

DATE: 06/04/2002
TIME: 12:45:06

Input Set : A:\EP.txt
Output Set: N:\CRF3\06042002\J015328.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:3; Xaa Pos. 6
Seq#:5; Xaa Pos. 6
Seq#:7; Xaa Pos. 6
Seq#:11; Xaa Pos. 6